

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|-----------------------------------------------------------------------------------|---------------------------------------------------------|------------------|---------|------------------|
| L27 | 190 | @ad<="20010924" and 'storage node' and 'ferroelectric capacitor' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/09 13:21 |
| L28 | 54 | @ad<="20010924" and 'storage node' and 'ferroelectric capacitor' and 'barrier' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/09 13:21 |
| L30 | 50 | @ad<="20010924" and 'barrier metal' and 'storage node' and 'PZT' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/09 14:17 |
| L31 | 1 | "5554564".PN. | USPAT; USOCR | OR | ON | 2005/03/09 13:35 |
| L33 | 2302 | @ad<="20010924" and 'storage node' with 'dielectric' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/09 14:19 |
| S1 | 90 | @ad<="20011101" and 'ferroelectric capacitor' and 'PZT' with 'crystal' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/13 12:02 |
| S2 | 12 | @ad<="20011101" and 'ferroelectric capacitor' and 'rhombohedral' and 'tetragonal' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/07 09:26 |
| S3 | 92 | @ad<="20011101" and 'PZT' and 'rhombohedral' and 'tetragonal' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/22 12:51 |
| S4 | 43 | @ad<="20011101" and 'PZT' and 'rhombohedral' and 'tetragonal' and 'pt' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/22 12:55 |
| S5 | 1099 | @ad<="20011101" and 'PZT' same ("100" or "001" or "111") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/22 13:00 |
| S6 | 210 | @ad<="20011101" and 'PZT' same ("001" or "111") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/22 13:02 |

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| S7 | 42 | (@ad<="20011101" and 'PZT' same ("001" or "111")) and 'Pt' with '100' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/22 13:02 |
| S8 | 40 | (@ad<="20011101" and 'PZT' same ("001" or "111")) and 'Pt' with '100' and '111' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/23 08:39 |
| S9 | 43 | @ad<="20011101" and 'PZT' same '001' and '111' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/22 13:03 |
| S10 | 18 | (@ad<="20011101" and 'PZT' same '001' and '111') and 'Pt' with '100' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/22 13:04 |
| S11 | 18 | (@ad<="20011101" and 'PZT' same '001' and '111') and 'Pt' with '100' and '111' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/09 13:19 |
| S12 | 4 | ((("6090443") or ("6194753")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/05/22 13:16 |
| S13 | 1 | "5206788".PN. | USPAT | OR | OFF | 2002/05/22 14:37 |
| S14 | 1 | "5397446".PN. | USPAT | OR | OFF | 2002/05/22 14:38 |
| S15 | 1 | "5426075".PN. | USPAT | OR | OFF | 2002/05/22 14:39 |
| S16 | 1 | "5519566".PN. | USPAT | OR | OFF | 2002/05/22 14:39 |
| S17 | 1 | "5714194".PN. | USPAT | OR | OFF | 2002/05/22 14:39 |
| S18 | 1 | "5719417".PN. | USPAT | OR | OFF | 2002/05/22 14:40 |
| S19 | 1 | "5817170".PN. | USPAT | OR | OFF | 2002/05/22 14:41 |
| S20 | 1 | "5824590".PN. | USPAT | OR | OFF | 2002/05/22 14:42 |
| S21 | 45 | @ad<="20011101" and 'upper electrode' and 'lower electrode' with 'pt' and 'multilayer' same 'ferroelectric' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/22 14:52 |
| S22 | 10 | @ad<="20011101" and 'upper electrode' and 'lower electrode' with 'pt' and 'multilayer' with 'PZT' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/22 14:56 |

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| S23 | 1614 | @ad<="20011101" and 'upper electrode' and 'lower electrode' and 'pt' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/22 15:21 |
| S24 | 15 | (@ad<="20011101" and 'upper electrode' and 'lower electrode' and 'pt') and 'PZT' with '001' and '111' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/22 15:46 |
| S25 | 1 | "5558946".PN. | USPAT | OR | OFF | 2002/05/22 15:26 |
| S26 | 1 | "5525434".PN. | USPAT | OR | OFF | 2002/05/22 15:26 |
| S27 | 1 | "5308601".PN. | USPAT | OR | OFF | 2002/05/22 15:26 |
| S28 | 1 | "5198269".PN. | USPAT | OR | OFF | 2002/05/22 15:26 |
| S29 | 1 | "5116643".PN. | USPAT | OR | OFF | 2002/05/22 15:27 |
| S30 | 1 | "4419533".PN. | USPAT | OR | OFF | 2002/05/22 15:27 |
| S31 | 1 | "5021398".PN. | USPAT | OR | OFF | 2002/05/22 15:27 |
| S32 | 3 | ("5777356").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/05/22 15:47 |
| S33 | 1742 | @ad<="20011101" and 'ferroelectric' same 'perovskite' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/22 15:51 |
| S34 | 23 | (@ad<="20011101" and 'ferroelectric' same 'perovskite') and 'rhombohedral' and 'tetragonal' and 'pt' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 09:04 |
| S35 | 22 | @ad<="20011101" and 'PZT' same '001' and '111' and 'Pt' same '100' and '111' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/23 09:00 |
| S36 | 0 | @ad<="20011101" and 'PZT' adj '001' and '111' and 'Pt' adj '100' and '111' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 10:44 |
| S37 | 0 | @ad<="20011101" and 'PZT' adj '001' and 'Pt' adj '100' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/23 09:01 |
| S38 | 3 | @ad<="20011101" and 'PZT' adj3 '001' and 'Pt' adj3 '100' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/05/23 09:01 |

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| S39 | 7 | @ad<="20011101" and 'ferroelectric capacitor' and 'PZT' and 'rhombohedral' and 'tetragonal' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 09:21 |
| S40 | 1 | "5554866".PN. | USPAT | OR | OFF | 2002/05/23 12:54 |
| S41 | 83 | @ad<="20010131" and 'ferroelectric capacitor' and 'PZT' with 'crystal' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/01/28 14:36 |
| S42 | 20 | (@ad<="20010131" and 'ferroelectric capacitor' and 'PZT' with 'crystal') and 'buffer layer' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 08:46 |
| S43 | 21 | @ad<="20010131" and 'ferroelectric' same 'perovskite' and 'rhombohedral' and 'tetragonal' and 'pt' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 09:31 |
| S44 | 948 | @ad<="20010131" and 'ferroelectric' and 'perpendicular' with 'electrode' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 09:32 |
| S45 | 2 | (@ad<="20010131" and 'ferroelectric' and 'perpendicular' with 'electrode') and 'rhombohedral' and 'tetragonal' and 'buffer layer' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 09:22 |
| S46 | 2 | @ad<="20010131" and 'rhombohedral' and 'tetragonal' and 'buffer' and 'ferroelectric' and 'perpendicular' with 'electrode' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 09:28 |
| S47 | 2681 | (257/295-296).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/08/06 09:30 |
| S48 | 48 | ((257/295-296).CCLS.) and @ad<="20010131" and 'ferroelectric' and 'perpendicular' with 'electrode' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/03 13:52 |
| S49 | 3 | ((257/295-296).CCLS.) and @ad<="20010131" and 'ferroelectric' and 'perpendicular' with 'electrode' and 'MgO' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 09:32 |

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| S50 | 0 | @ad<="20010131" and 'PZT' adj '001' and '111' and 'Pt' adj '100' and '111' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 10:44 |
| S51 | 10 | @ad<="20010131" and 'PZT' with '001' and '111' and 'Pt' with '100' and '111' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/13 14:02 |
| S52 | 6 | hideki-ts.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 11:18 |
| S53 | 39191 | yamaha.as. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 11:22 |
| S54 | 31 | yamaha.as. and @ad<="20010131" and 'ferroelectric' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 11:23 |
| S55 | 1 | yamaha.as. and 'PZT' with '001' and '111' and 'Pt' with '100' and '111' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 11:26 |
| S56 | 1 | yamaha.as. and 'PZT' with '001' and 'Pt' with '100' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 11:26 |
| S57 | 3 | yamaha.as. and 'PZT' and 'Pt' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 11:26 |
| S58 | 39 | 'thermal expansion coefficient' with 'PZT' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/05 08:15 |
| S59 | 4 | 'CTE' with 'PZT' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 12:18 |
| S60 | 1 | 'CTE' with 'CeO' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/07 08:32 |

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| S61 | 0 | 'Coeffiecient of thermal expansion' with 'Cerium oxide' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 14:50 |
| S62 | 1 | 'CTE' with 'Cerium oxide' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 12:20 |
| S63 | 6 | 'thermal expansion coefficient' with 'Cerium oxide' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/13 14:30 |
| S64 | 81377 | thermal near5 coefficient | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 12:30 |
| S65 | 722 | (thermal near5 coefficient) and pzt | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 12:30 |
| S66 | 54 | thermal near5 coefficient with PZT | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 12:33 |
| S67 | 16 | thermal near5 coefficient with 'CeO' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 12:32 |
| S68 | 0 | thermal near5 coefficient with PZT and CeO | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 12:33 |
| S69 | 16 | thermal near5 coefficient with CeO | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 12:34 |
| S70 | 12 | thermal near5 coefficient with 'Cerium oxide' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 12:36 |
| S71 | 0 | thermal near5 coefficient and 'refractory oxides' and 'PZT' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 12:57 |

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| S72 | 24 | 'thermal expansion coefficient' and 'MgO' and 'CeO' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/07 08:50 |
| S73 | 367 | thermal near5 coefficient and 'refractory oxides' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 12:57 |
| S74 | 2 | ('6251834').PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2002/08/06 13:25 |
| S75 | 6 | thermal adj expansion adj coefficient with 'cerium oxide' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 14:29 |
| S76 | 7 | 'CTE' and 'cerium oxide' and 'magnesium oxide' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 14:32 |
| S77 | 1 | 'CTE' with 'Cerium oxide' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/13 14:22 |
| S78 | 2 | 'CTE' with 'magnesium oxide' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 14:48 |
| S79 | 1 | 'CTE' with 'CeO' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 14:50 |
| S80 | 0 | 'CTE' near 'CeO' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 14:50 |
| S81 | 0 | 'Coefficient of thermal expansion' near 'Cerium oxide' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 14:50 |
| S82 | 0 | 'Coefficient of thermal expansion' with 'Cerium oxide' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2002/08/06 14:50 |

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| S83 | 904 | (257/303-305).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 09:57 |
| S84 | 182 | (257/311).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 08:56 |
| S85 | 2590 | (257/295-296).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/13 14:58 |
| S86 | 1865 | (438/253-255).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 08:57 |
| S87 | 3914 | (438/396-398).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 08:58 |
| S88 | 145 | 'capacitor' with 'PZT' and 'storage node' and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/04 14:56 |
| S89 | 1 | 'capacitor' and 'storage node' same 'MgO' and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/03 14:51 |
| S90 | 5015 | 'capacitor' and 'storage node' and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/03 14:59 |
| S91 | 158 | 'capacitor' and 'metal oxide' same 'storage node' and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/03 15:50 |
| S92 | 36 | 'capacitor' and 'storage node' with 'metal oxide' and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 08:58 |
| S93 | 0 | 'PZT' and 'storage node' with 'noble oxide' and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/03 16:10 |

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| S94 | 2 | 'storage node' with "'ZrO.sub.2'" and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/03 16:13 |
| S95 | 0 | 'storage node' with 'MgO' and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/03 16:14 |
| S96 | 0 | 'storage node' with 'CaO' and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/03 16:14 |
| S97 | 0 | 'storage node' with "'Y.sub.2O.sub.3'" and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/03 16:15 |
| S98 | 4 | ((("6294420") or ("6365517")).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/02/03 16:21 |
| S99 | 2 | ("5489548").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/02/03 16:22 |
| S10 0 | 568 | 'thermal expansion coefficient' adj 'silicon' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/14 07:35 |
| S10 1 | 7 | 'thermal expansion coefficient' adj 'PZT' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/04 13:37 |
| S10 2 | 0 | 'thermal expansion coefficient' adj 'Iridium oxide' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/04 13:41 |
| S10 3 | 9 | 'thermal expansion coefficient' adj 'TiN' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/04 13:41 |

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| S10 4 | 423 | (257/303).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/04 14:33 |
| S10 5 | 56 | 'PZT' with 'perpendicular' same 'electrode' and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/13 13:53 |
| S10 6 | 3 | 'thermal expansion coefficient' adj 'titanium oxide' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/04 16:00 |
| S10 7 | 13 | 'thermal expansion coefficient' with 'titanium dioxide' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/04 15:54 |
| S10 8 | 8 | 'thermal expansion coefficient' adj 'MgO' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/04 16:02 |
| S10 9 | 21 | 'thermal expansion coefficient' adj 'silicon dioxide' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/04 16:03 |
| S11 0 | 12 | 'thermal expansion coefficient' with "CeO.sub.2" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/05 08:24 |
| S11 1 | 296 | 'thermal expansion coefficient' with 'MgO' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/02/05 08:24 |
| S11 2 | 2 | "20020102791" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/13 12:05 |
| S11 3 | 2 | ("6414348").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/08/13 12:07 |

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| S11 4 | 2 | ("5619393").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/08/13 12:08 |
| S11 5 | 2 | ("6312988").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2003/08/13 12:09 |
| S11 6 | 1 | "5759893".PN. | USPAT | OR | OFF | 2003/08/13 12:12 |
| S11 7 | 1 | "5770500".PN. | USPAT | OR | OFF | 2003/08/13 12:12 |
| S11 8 | 1 | "5953608".PN. | USPAT | OR | OFF | 2003/08/13 12:12 |
| S11 9 | 1 | "6004859".PN. | USPAT | OR | OFF | 2003/08/13 12:13 |
| S12 0 | 1 | "6037234".PN. | USPAT | OR | OFF | 2003/08/13 12:13 |
| S12 1 | 1 | "6103568".PN. | USPAT | OR | OFF | 2003/08/13 12:13 |
| S12 2 | 1 | "6159818".PN. | USPAT | OR | OFF | 2003/08/13 12:14 |
| S12 3 | 1 | "6184081".PN. | USPAT | OR | OFF | 2003/08/13 12:14 |
| S12 4 | 59 | 'PZT' with 'perpendicular' same 'electrode' and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/13 13:59 |
| S12 5 | 11 | @ad<="20010131" and 'PZT' with '001' and '111' and 'Pt' with '100' and '111' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/13 14:02 |
| S12 6 | 4 | 'CTE' with 'palladium' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/13 14:22 |
| S12 7 | 7 | 'CTE' with 'PZT' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/14 07:36 |
| S12 8 | 48 | 'thermal expansion coefficient' with 'PZT' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 10:18 |

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| S12 9 | 29 | 'thermal expansion coefficient' with 'Palladium' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/13 14:37 |
| S13 0 | 944 | (257/303-305).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/13 14:58 |
| S13 1 | 194 | (257/311).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/14 07:38 |
| S13 2 | 2680 | (257/295-296).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/13 15:01 |
| S13 3 | 1909 | (438/253-255).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/13 15:06 |
| S13 4 | 632 | (438/3).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 08:55 |
| S13 5 | 2 | 'thermal expansion coefficient' with 'PZT' with 'silicon' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/14 07:19 |
| S13 6 | 886 | 'CTE' with 'silicon' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2003/08/14 07:38 |
| S13 7 | 2 | "20020102791" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/01/28 13:54 |
| S13 8 | 2 | "20020028568" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/01/28 13:55 |
| S13 9 | 6 | ((("6433380") or ("5619393") or ("6414348"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/01/28 13:56 |

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| S14 0 | 956 | (257/303-305).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/01/28 14:08 |
| S14 1 | 199 | (257/311).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/01/28 14:13 |
| S14 2 | 1927 | (438/253-255).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/01/28 14:17 |
| S14 3 | 649 | (438/3).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/01/28 14:18 |
| S14 4 | 0 | @ad<="20010131" and 'ferroelectric capacitor' and 'storage note' same 'metal' same 'insulating' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/01/28 15:11 |
| S14 5 | 0 | @ad<="20010131" and 'capacitor' and 'storage note' same 'metal' same 'insulating' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/06 14:14 |
| S14 6 | 0 | @ad<="20010131" and 'capacitor' and 'storage note' same 'metal' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/01/28 14:37 |
| S14 7 | 8 | @ad<="20010131" and 'ferroelectric capacitor' and 'storage node' same 'metal' same 'insulating' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/01/28 14:42 |
| S14 8 | 2 | @ad<="20010131" and 'ferroelectric capacitor' and 'buffer structure' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/01/28 14:43 |
| S14 9 | 0 | @ad<="20010131" and 'skack capacitor' same 'perovskite' and 'buffer' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/01/28 15:13 |
| S15 0 | 136 | @ad<="20010131" and 'capacitor' same 'perovskite' and 'buffer' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/01/28 15:13 |

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| S15 1 | 1 | @ad<="20010131" and 'stack capacitor' same 'perovskite' and 'buffer' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/01/28 15:20 |
| S15 2 | 0 | "02000286396" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/01/28 15:21 |
| S15 3 | 2 | "2000286396" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/01/28 15:21 |
| S15 4 | 2 | "20020102791" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/06 11:13 |
| S15 5 | 2 | @ad<="20010131" and 'capacitor' and 'storage note' with 'insulating' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/06 14:16 |
| S15 6 | 45 | @ad<="20010131" and 'capacitor' with 'ferroelectric' and 'storage node' with 'insulating' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/06 14:19 |
| S15 7 | 102 | @ad<="20010131" and 'capacitor' with 'ferroelectric' and 'storage node' with 'dielectric' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/06 14:38 |
| S15 8 | 50 | @ad<="20010131" and 'capacitor' with 'ferroelectric' same 'storage node' with 'dielectric' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/06 15:27 |
| S15 9 | 32 | @ad<="20010131" and 'ferroelectric' and 'barrier' with 'storage node' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/06 15:27 |
| S16 0 | 7 | @ad<="20010131" and 'barrier' with 'storage node' same 'ferroelectric' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 10:02 |
| S16 1 | 1 | "5554564".PN. | USPAT | OR | OFF | 2004/07/06 15:28 |

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| S16 2 | 1 | 'CTE' adj2 'polysilicon' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/07 08:38 |
| S16 3 | 11 | 'CTE' with 'polysilicon' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/07 09:43 |
| S16 4 | 3 | 'CTE' with 'ru' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/07 08:38 |
| S16 5 | 73 | 'thermal expansion coefficient' and 'BST' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/07 08:53 |
| S16 6 | 9 | 'thermal expansion coefficient' with 'BST' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/07 08:53 |
| S16 7 | 61 | 'thermal expansion coefficient' with 'PZT' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/07 09:25 |
| S16 8 | 3 | 'thermal expansion coefficient' with "Ta.sub.2O.sub.5" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/07 09:26 |
| S16 9 | 68 | 'thermal expansion coefficient' with 'polysilicon' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/07 09:49 |
| S17 0 | 267 | 'CTE' adj1 'silicon' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/07 09:38 |
| S17 1 | 8 | 'CTE' with 'PZT' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/07/07 09:49 |
| S17 2 | 2 | "20020028568" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 08:43 |

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| S17 3 | 2 | ("6774390").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2004/11/09 08:44 |
| S17 4 | 2 | "6635561" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 08:45 |
| S17 5 | 974 | (257/303-305).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 08:55 |
| S17 6 | 664 | (438/3).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 08:57 |
| S17 7 | 206 | (257/311).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 08:57 |
| S17 8 | 1947 | (438/253-255).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 09:01 |
| S17 9 | 4006 | (438/396-398).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 09:05 |
| S18 0 | 1 | "5191510".PN. | USPAT | OR | OFF | 2004/11/09 09:56 |
| S18 1 | 2155 | (257/306-310).CCLS. and @ad<="20010131" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 11:23 |
| S18 2 | 1 | @ad<="20010131" and 'barrier metal' same 'storage node' same 'PZT' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 10:03 |
| S18 3 | 40 | @ad<="20010131" and 'barrier metal' and 'storage node' and 'PZT' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/03/09 13:32 |

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| S18 4 | 158 | @ad<="20010131" and 'diffusion' and 'storage node' and 'PZT' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 10:04 |
| S18 5 | 2 | @ad<="20010131" and 'diffusion' same 'storage node' same 'PZT' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 11:21 |
| S18 6 | 1 | "5554564".PN. | USPAT | OR | OFF | 2004/11/09 10:07 |
| S18 7 | 121 | 'thermal expansion coefficient' with 'TiN' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 10:29 |
| S18 8 | 34 | 'thermal expansion coefficient' with 'Titanium oxide' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 10:35 |
| S18 9 | 131 | 'thermal expansion coefficient' with ""TiO.sub.2"" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 11:55 |
| S19 0 | 2 | @ad<="20010131" and 'storage node' with 'barrier' same 'PZT' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 11:22 |
| S19 1 | 219 | (257/306-310).CCLS. and @ad<="20010131" and 'PZT' and 'diffusion' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 11:24 |
| S19 2 | 154 | 'thermal expansion coefficient' with 'platinum' | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2004/11/09 11:55 |